

**MICHIGAN STATE BOARD OF EDUCATION
PERIODIC REVIEW/PROGRAM EVALUATION**

SUMMARY OF COURSE REQUIREMENTS FOR SPECIALTY STUDIES PROGRAM

Institution University of Detroit Mercy

Date: Revised 07-19-06

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Specialty Studies Program: Integrated ScienceProgram Standards: Michigan State Board of EducationStandards Date: Aug. 8, 2002

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DIRECTIONS: On the matrix below, list the required courses for this specialty studies program. Also, indicate the number of electives and any special considerations that apply. In addition to listing the course title, course number, and course semester hours, please indicate whether the course is required for the secondary major or minor, elementary major or minor, the K-12 major or minor, and/or an endorsement.

Course Title	Course Number	Sem. Hours	Comp. Maj.	Group Major	Endors.
Curriculum and Methods of Teaching in Secondary Schools II: Science	EDU 475	3	3	3	3
Environmental Science	BIO 103	3	3		
General Biology I	BIO 120	3	3	3	3
General Biology I Lab	BIO 121	2	2	2	2
General Biology II	BIO 122	3	3	3	3
General Biology II Lab	BIO 123	2	2	2	2
Chemistry in Society	CHM 103	3	3		
General Chemistry I	CHM 107	3	3	3	3
General Chemistry II	CHM 108	3	3	3	3
General Chemistry I Lab	CHM 110	1	1	1	1
General Chemistry II Lab	CHM 111	2	2	2	2
Organic Chemistry I	CHM 227	3	3	3	3
Organic Chemistry Laboratory I	CHM 228	2	2	2	2
Basic Biochemistry I	CHM 470	3	3	3	3
World Regional Geography	GEO 211	3	3	3	3
History of the Universe	PHY 108	3	3	3	3
General Physics I	PHY 130	3	3	3	3
General Physics I Lab	PHY 131	1	1	1	1
General Physics II	PHY 132	3	3	3	3
General Physics II Lab	PHY 133	1	1		
Electives Comprehensive Majors choose 6 additional hours from the following Biology and/or Chemistry courses:			6		
Genetics	BIO 270	3			

Course Title	Course Number	Sem. Hours	Comp. Maj.	Group Major	Endors.
Evolution	BIO 420	3			
Ecology	BIO 448	3			
Organic Chemistry II	CHM 229	3			
Organic Chemistry Lab II	CHM 230	2			
Quantitative Analysis	CHM 387	3			
Total Number of SEMESTER HOURS <u>required</u> for each option offered:			56	43	43